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Patent

Attorney Docket No. 033963-007

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Christopher Edward Gregory

Application No.: 10/502,438

Filing Date: July 22, 2004

Title: IMPROVEMENTS IN OR RELATING TO THE OPERATIONAL FREQUENCY RANGE OF LATCH CIRCUITS

Group Art Unit:

Examiner:

Confirmation No.:

FIRST
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a FIRST Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of _____ is enclosed for the fee due.
- ☐ Charge _____ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS DOANE, SWECKER & MATHIS, L.L.P.

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Date: Dec 30, 2004

By

Patrick C. Keane

Registration No. 32,858



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	
Christopher Edward Gregory)	Group Art Unit:
Application No.: 10/502,438)	Examiner:
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For: IMPROVEMENTS IN OR RELATING)	
TO THE OPERATIONAL FREQUENCY)	
RANGE OF LATCH CIRCUITS)	
)	
)	

FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. However, copies of the listed U.S. patents and U.S. patent application publications are not enclosed since it is no longer required according to the July 11, 2003 waiver of the requirement for copies of cited U.S. patents and U.S. patent application publications in national patent applications filed after June 30, 2003 and international applications entering the national stage under 35 U.S.C. § 371 after June 30, 2003.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.


These documents were either cited in a European Search Report dated November 10, 2003, a PCT Search Report dated October 7, 2004 and/or a United Kingdom Search Report dated October 13, 2003 received in connection with what is believed to be foreign counterpart applications to the present application. A copy of the three Search Reports are enclosed.

To assist the Examiner, the document is / documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date Dec 30, 2004

By: 
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Complete if Known

FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

1

Application Number

10/502,438

Filing Date

July 22, 2004

First Named Inventor

Christopher Edward Gregory

Examiner Name

Attorney Docket Number

033963-007

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	6,452,433	B1	Chang et al	9/17/2002
	4,289,979		Muller	9/15/1981

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
	0 325 418	A2	EP	7/26/1989				X			
	2 367 963	A	UK	4/17/2002				X			

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Ishii et al, Very-High-Speed Si Bipolar Static Frequency Dividers With New T-Typ0e Flip-Flops, IEEE Journal Of Solid-State Curcuits, Vol. 30, No. 1, January 1995, pgs. 19-24 – XP-002258731
	Runge, Submicron Silicon Bipolar Master-Slave D-Type Flip-Flop For Use As 8.1 Gbit/s Decision Circuit And 11.2 Gbit/s Demultiplexer, Electronic Letters, Vol. 2, No. 20, Sept. 28, 1989, pgs. 1346-1347 – XP-000074373
	Hauenschild et al., A 10Gb/s BiCMOS Clock and Data Recovering 1:4-Demultiplexer in a Standard Plastic Package with External VCO, 1996 IEEE International Solid-State Circuits Conference, pgs. 202-203 and 445, XP000685596
	PCT Search Report dated Oct. 7, 2004
	EP Search Report dated November 10, 2003
	United Kingdom Search Report dated October 13, 2003

Examiner Signature

Date

Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.